

Title (en)  
Propylene polymer compositions

Title (de)  
Zusammensetzung von Propylen-Polymeren

Title (fr)  
Composition polymère de propylène

Publication  
**EP 0841370 A3 19980701 (EN)**

Application  
**EP 98101247 A 19940111**

Priority  
• EP 94904013 A 19940111  
• JP 1938293 A 19930111  
• JP 1938393 A 19930111  
• JP 1938493 A 19930111  
• JP 1938593 A 19930111  
• JP 1938693 A 19930111

Abstract (en)  
[origin: EP0646624A1] A propylene polymer composition composed of a propylene polymer (A1) produced by using a metallocene catalyst and having a melt flow rate (MFR) of 0.01-30 g/10 min, a propylene polymer (A2) having an MFR of 30-1,000 g/10 min and, if necessary, a flexible polymer, wherein the ratio of the MFR of the polymer (A2) to that of the polymer (A1) is at least 30. A propylene polymer composition composed of a propylene polymer produced by using a titanium catalyst and having an MFR of 0.01-30 g/10 min, the above polymer (A2) and, if necessary, a flexible polymer. A propylene polymer composition composed of a propylene polymer produced by using a titanium catalyst and having an MFR of 0.01-50 g/10 min and an ethylene-olefin random copolymer produced by using a metallocene catalyst. A propylene polymer composition composed of a propylene polymer produced by using a catalyst containing a specified metallocene compound and at least one synthetic resin selected from among a propylene polymer other than the above propylene polymer, an olefin elastomer and an olefin polymer. All of the above polymer compositions are excellent in heat resistance, mechanical strengths and tensile elongation at break and are suitable for producing various structural materials of automobiles, household electric appliances, etc., daily necessities, films, sheets, and so forth.

IPC 1-7  
**C08L 23/10**

IPC 8 full level  
**C08F 4/642** (2006.01); **C08L 23/08** (2006.01); **C08L 23/10** (2006.01); **C08L 23/12** (2006.01); **C08L 23/14** (2006.01); **C08L 23/16** (2006.01)

CPC (source: EP KR US)  
**C08L 23/0815** (2013.01 - EP US); **C08L 23/10** (2013.01 - EP US); **C08L 23/12** (2013.01 - EP KR US); **C08L 23/142** (2013.01 - EP US); **C08L 23/16** (2013.01 - EP US); **C08L 2205/02** (2013.01 - EP US); **C08L 2314/06** (2013.01 - EP US)

C-Set (source: EP US)  
1. **C08L 23/0815 + C08L 2666/04**  
2. **C08L 23/10 + C08L 2666/04**  
3. **C08L 23/12 + C08L 2666/04**  
4. **C08L 23/142 + C08L 2666/04**  
5. **C08L 23/16 + C08L 2666/04**

Citation (search report)  
• [X] WO 9214784 A2 19920903  
• [X] EP 0294770 A2 19881214 - UNION CARBIDE CORP [US]

Cited by  
WO0011077A1

Designated contracting state (EPC)  
DE FR GB IT NL

DOCDB simple family (publication)  
**EP 0646624 A1 19950405; EP 0646624 A4 19960320; EP 0646624 B1 19980902**; CA 2117699 A1 19940721; CA 2117699 C 20010529; DE 69412954 D1 19981008; DE 69412954 T2 19990311; DE 69431077 D1 20020829; DE 69431077 T2 20030123; DE 69431491 D1 20021107; DE 69431491 T2 20030618; DE 69431765 D1 20030102; DE 69431765 T2 20030424; DE 69432609 D1 20030605; DE 69432609 T2 20040219; EP 0841370 A2 19980513; EP 0841370 A3 19980701; EP 0841370 B1 20030502; EP 0841371 A2 19980513; EP 0841371 A3 19980701; EP 0841371 B1 20021120; EP 0841372 A2 19980513; EP 0841372 A3 19980701; EP 0841372 B1 20021002; EP 0841373 A2 19980513; EP 0841373 A3 19980617; EP 0841373 B1 20020724; EP 1314756 A1 20030528; KR 0162682 B1 19990115; KR 950700357 A 19950116; US 2002045712 A1 20020418; US 2003130428 A1 20030710; US 2004230004 A1 20041118; US 6156844 A 20001205; US 6838522 B2 20050104; US 6930152 B2 20050816; WO 9416009 A1 19940721

DOCDB simple family (application)  
**EP 94904013 A 19940111**; CA 2117699 A 19940111; DE 69412954 T 19940111; DE 69431077 T 19940111; DE 69431491 T 19940111; DE 69431765 T 19940111; DE 69432609 T 19940111; EP 03002657 A 19940111; EP 98101247 A 19940111; EP 98101248 A 19940111; EP 98101249 A 19940111; EP 98101250 A 19940111; JP 9400024 W 19940111; KR 19940703187 A 19940912; US 30265194 A 19940908; US 73290603 A 20031211; US 95616201 A 20010920; US 97390201 A 20011011